ABSTRACT OF THE DISCLOSURE

An image processing method for compensating for light falloff in a digital image provides individual compensation values to correct light falloff in the image pixels of an input digital image; however, the individual compensation values induce a balance change in the digital image. Therefore, a balance value is determined for correcting the balance change of the digital image and the individual compensation values and the balance value are applied to the pixels of the input digital image to provide a corrected image having compensation for light falloff with minimal change to the light balance.